

DERWENT-ACC-NO: 1984-149589

DERWENT-WEEK: 198424

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Printable or metallisable laminates prodn. -  
by co-extruding substrate with thermoplastic  
elastomer and polyolefin release layer

PATENT-ASSIGNEE: TOPPAN PRINTING CO LTD[TOPP]

PRIORITY-DATA: 1982JP-0188363 (October 27, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP <u>59078850</u> A	May 7, 1984	N/A
004 N/A		
JP 90045983 B	October 12, 1990	N/A
000 N/A		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 59078850A	N/A	1982JP-0188363
October 27, 1982		
JP 90045983B	N/A	1982JP-0188363
October 27, 1982		

INT-CL (IPC): B29C047/06, B29K021/00 , B29K023/00 , B29L009/00 ,  
B32B025/08 , B32B027/32 , B32B031/30

ABSTRACTED-PUB-NO: JP 59078850A

BASIC-ABSTRACT:

Laminates comprise release sheet and thermoplastic elastomer and are produced by co-extrusion coating of dimensionally stable substrate sheet with laminate comprising thermoplastic elastomer and polyolefin release layer so that the latter contacts the substrate. *25 g/cm<sup>2</sup> or less*

The substrate as release sheet is, e.g., paper (pref. kraft paper),  
*release face of polyethylene, denatured PO, (90x10) (70x30)*

biaxially-oriented plastic film of, e.g., polypropylene, polyester.  
The  
polyolefin is releaseable w.r.t. the elastomer and is a support during  
coextrusion, and is e.g. polyethylene, polypropylene,  
polymethylpentene,  
polybutene. Modified polyolefin is added to adjust peeling strength  
(e.g.,  
10-150 g/5cm) between the elastomer and polyolefin. The modified  
polyolefin is  
copolymer of ethylene and unsatd. carboxylic acid or its derivs., or  
copolymer  
of ethylene, vinyl acetate, and unsatd. carboxylic acid or its  
deriv. The  
thermoplastic elastomer is, e.g., urethane elastomer, polyester  
elastomer,  
styrene-alpha-olefin block copolymer.

Method is simple.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS: PRINT METALLISE LAMINATE PRODUCE CO EXTRUDE SUBSTRATE  
THERMOPLASTIC ELASTOMER POLYOLEFIN RELEASE LAYER

ADDL-INDEXING-TERMS:

POLYPROPYLENE@ POLYETHYLENE@ POLYESTER BUTYLENE  
POLYSTYRENE

DERWENT-CLASS: A32 A94 P73

CPI-CODES: A04-G01C; A08-M03; A11-B05B; A12-S06C;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0002 0010 3003 0222 0226 0229 0232 0234 0239 0241 0242  
0248 0255  
0306 0404 0405 0488 0489 0790 1291 1294 1410 1411 1990 2315 2324 3234  
2481 2498  
2513 2514 2522 2604 3253 2660 2719 2721 2725 2726  
Multipunch Codes: 014 02& 03- 032 034 036 041 046 047 050 051 055 056  
066 067  
074 075 081 104 13- 143 144 150 155 157 231 27& 28& 311 314 364 366  
367 415 435  
442 443 450 466 471 477 494 502 541 542 55& 57& 582 597 600 601 688

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1984-063392

Non-CPI Secondary Accession Numbers: N1984-111078